



## Memorandum

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**To:** Ohio Mathematics Chairs/Leads

**CC:** Provost and Chief Academic Officers

**From:** Dr. Ricardo Moena  
Faculty/Lead, Ohio Transfer Module Mathematics, Statistics, and Logic  
Review Panel/ Subgroup 2 of the Ohio Mathematics Initiative Chairs/Leads  
Network

**Date:** January 3, 2019

**Subject:** Request for Your Institutional Endorsement for the Proposed Learning  
Outcomes for Ohio Transfer Module Technical Mathematics I (TMM014) and  
Technical Mathematics II (TMM015)

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### Background

The Ohio Transfer Module (OTM), Subgroup 2, Mathematics, Statistics, and Logic have been tasked with exploring the possibility of a technical mathematics course(s) specializing in the application of mathematics for applied degree. This effort is rooted in future exploration of Ohio Guaranteed Transfer Pathways (OGTP) applied degrees pathways.

Proposed Technical Mathematics I (TMM014) learning outcomes were shared with the Ohio Mathematics Chairs/Leads and the mathematics committee at the fall 2019 OTM Faculty Sub-Committee meeting including Subgroup 2 panel members. During these discussions it was identified that TMM014 would serve the following purposes:

- Act as the first (and possibly only) course in technical mathematics for two-year Associate of Applied Science (AAS) degrees.
- Serve as a pre-requisite for Technical Mathematics II (TMM015)
- Act as a general education course in the spirit of College Algebra that would serve specific programs/degrees that might want a technical-focused QR course.

Following these discussions the creation of Technical Mathematics II (TMM015) was formulated to serve the following purpose:

- Serve as a pre-calculus option for students interested in pursuing programs such as Engineering where mathematics courses in Calculus, Technical Calculus or Engineering specific Calculus courses are required.

Technical Mathematics I (TMM014) and Technical Mathematics II (TMM015) can serve as stand-alone courses within the OTM or account as a two-course sequence combining learning outcomes in TMM014 (Technical Mathematics I) and TMM015 (Technical Mathematics II) into Technical Mathematics I and Technical Mathematics II Sequence (TMM016). Though a course in Quantitative Reasoning (QR) is appropriate for most non-Calculus students, Technical Mathematics will benefit some majors/degrees/programs.

**What We Need From You**

Subgroup 2 seeks endorsement of the proposed learning outcomes for TMM014 and TMM015. Please review proposed learning outcomes and coordinate efforts within your institution to complete the endorsement survey to determine if your institution agrees or disagrees with proposed course learning outcomes. We are collecting only one response per institution.

Please provide your institutional response by **February 7, 2020**. The survey link is:

<https://www.surveymonkey.com/r/93R5KJW>

**Important Note:** Institutions must complete the survey via the link provided above. The attached PDF file is for reference only. Do not use the PDF version to respond to the survey.

Thank you in advance for your assistance. If you have any questions, contact Jessi Spencer Director of OATN Policy, Budget, and Constituent Relations, as 614-728-4706 or [jspencer@highered.ohio.gov](mailto:jspencer@highered.ohio.gov).

Attachments (3)